Title: Asynchronous Unconscious Retrieval in a Network of Information Appliances
Inventors: Derek E. Poppink and Jonathan J. Hull
Atty. Docket No.: 20412-06420

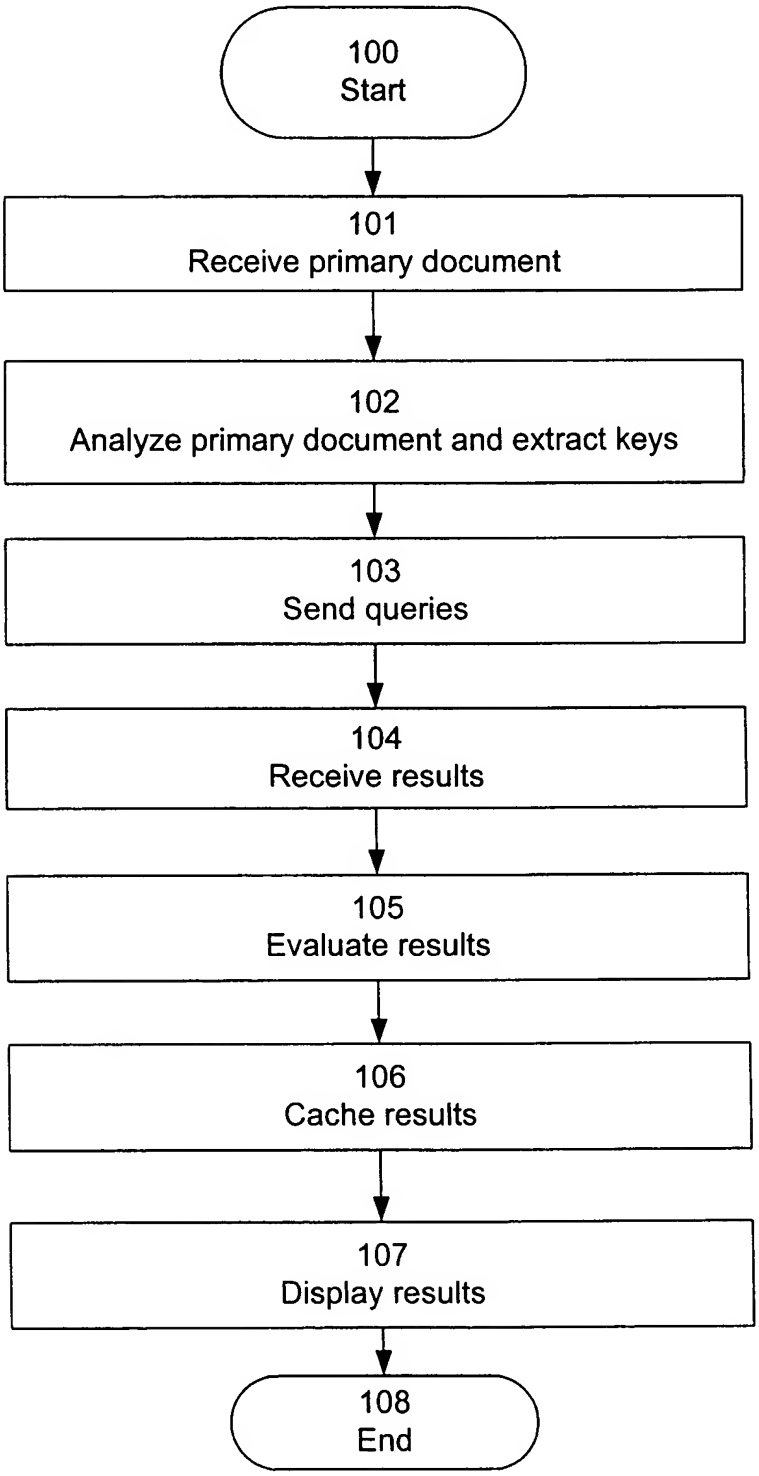

FIG. 1

Best Available Copy

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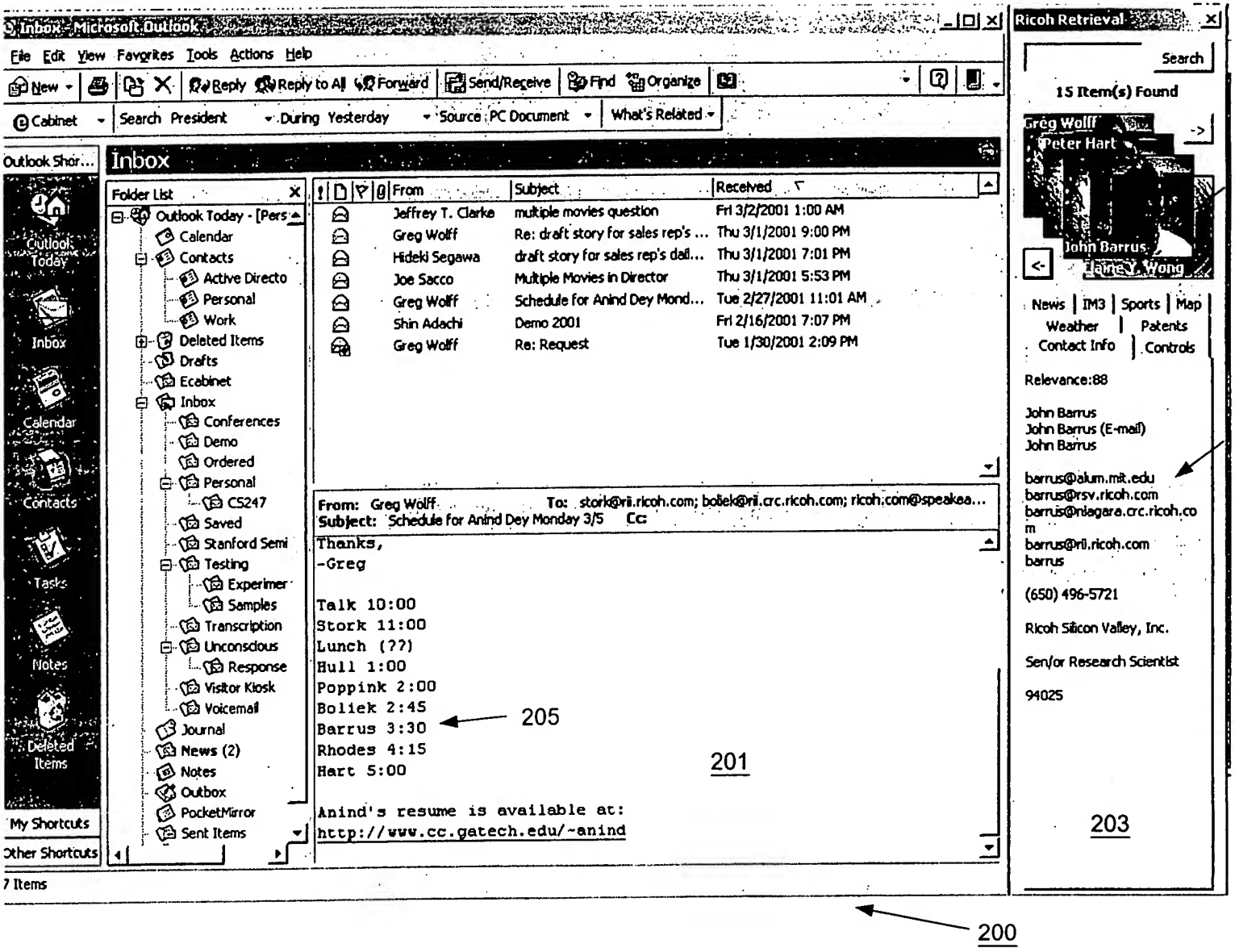

FIG. 2

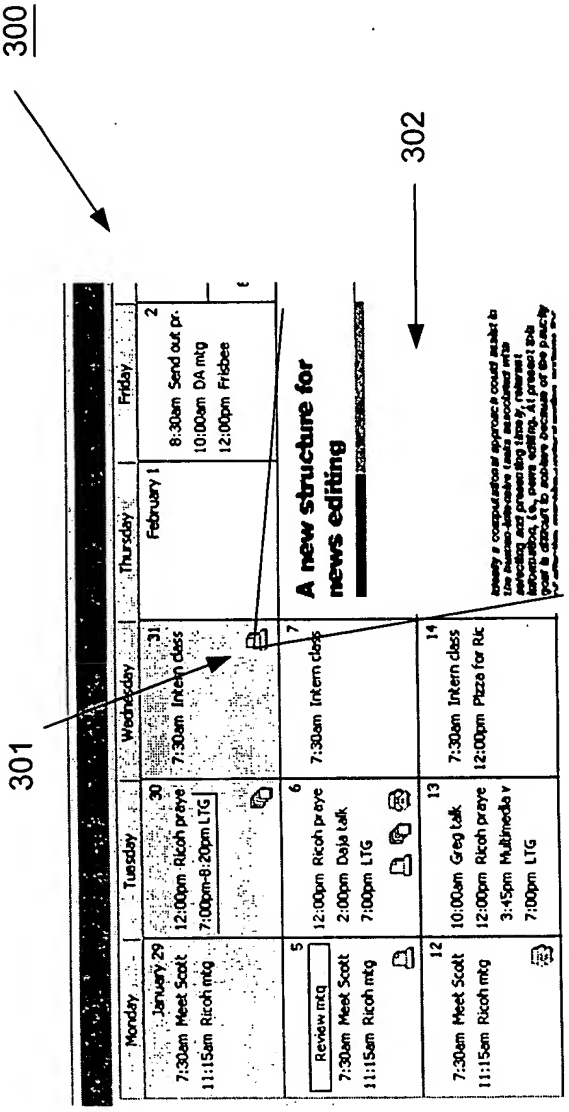
300
301
302
Monday
Tuesday
Wednesday
Thursday
Friday
January 29
7:30am Meet Scott
11:15am Ricoh mtg
30
12:00pm Ricoh preye
7:00pm-8:20pm LTG
31
7:30am Intern class
February 1
2
8:30am Send out pr
10:00am DA mtg
12:00pm Frisbee
5
Review mtg
7:30am Meet Scott
11:15am Ricoh mtg
6
12:00pm Ricoh preye
2:00pm Daja talk
7:00pm LTG
7
7:30am Intern class
12
7:30am Meet Scott
11:15am Ricoh mtg
13
10:00am Greg talk
12:00pm Ricoh preye
3:45pm Multimedia r
7:00pm LTG
14
7:30am Intern class
12:00pm Pizza for Ric
A new structure for news editing

FIG. 3

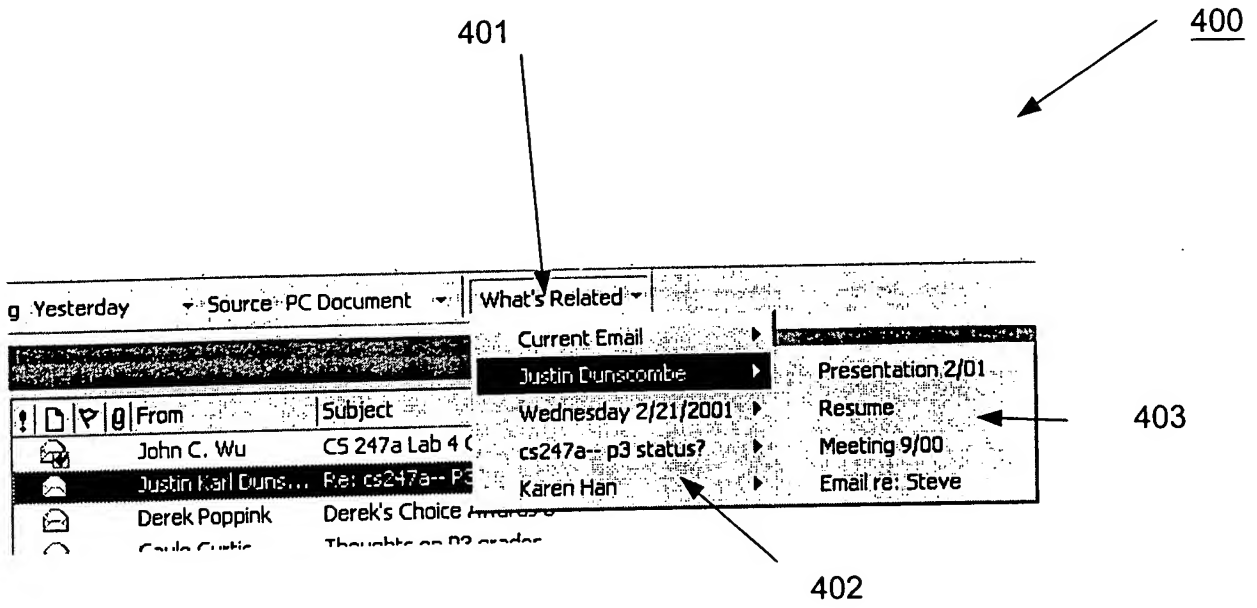
401
400
g Yesterday
Source
PC Document
What's Related
Current Email
Justin Dunscombe
Wednesday 2/21/2001
cs247a-- p3 status?
Karen Han
Presentation 2/01
Resume
Meeting 9/00
Email re: Steve
From
Subject
John C. Wu
CS 247a Lab 4
Justin Karl Duns...
Re: cs247a-- P3
Derek Poppink
Derek's Choice
403
402

FIG. 4

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Inventors: Derek E. Poppink and Jonathan J. Hull
Atty. Docket No.: 20412-06420

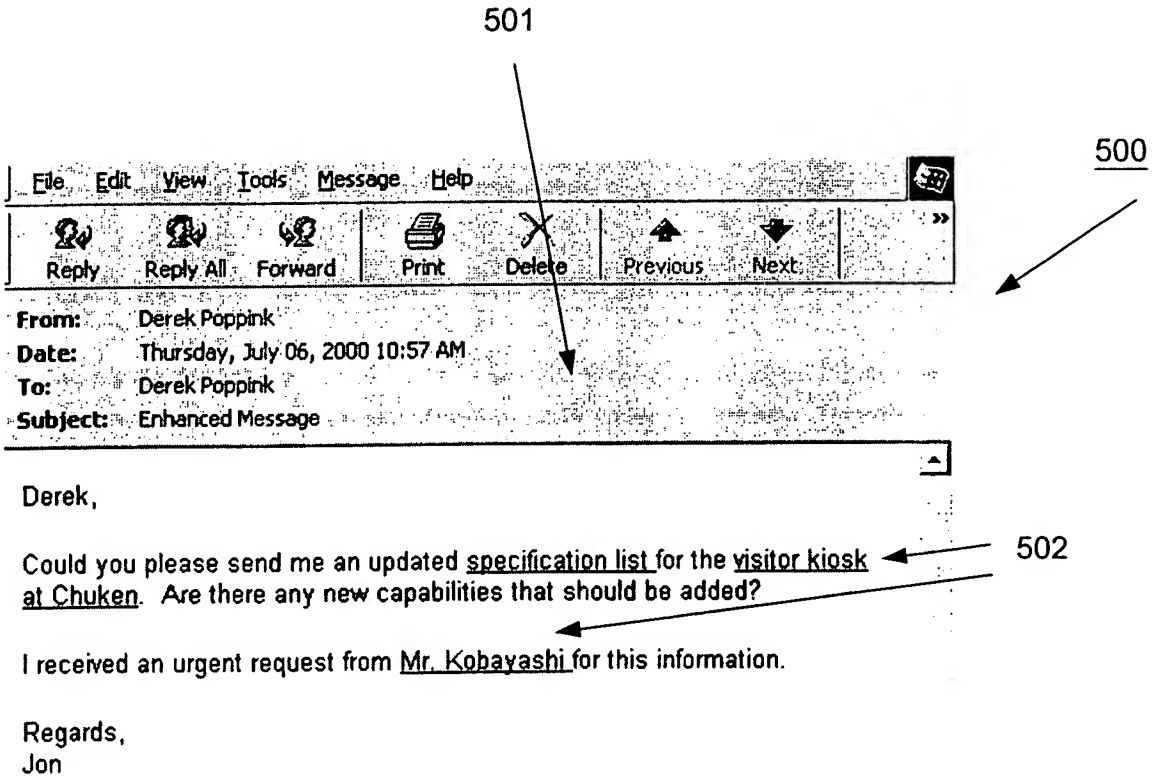

FIG. 5

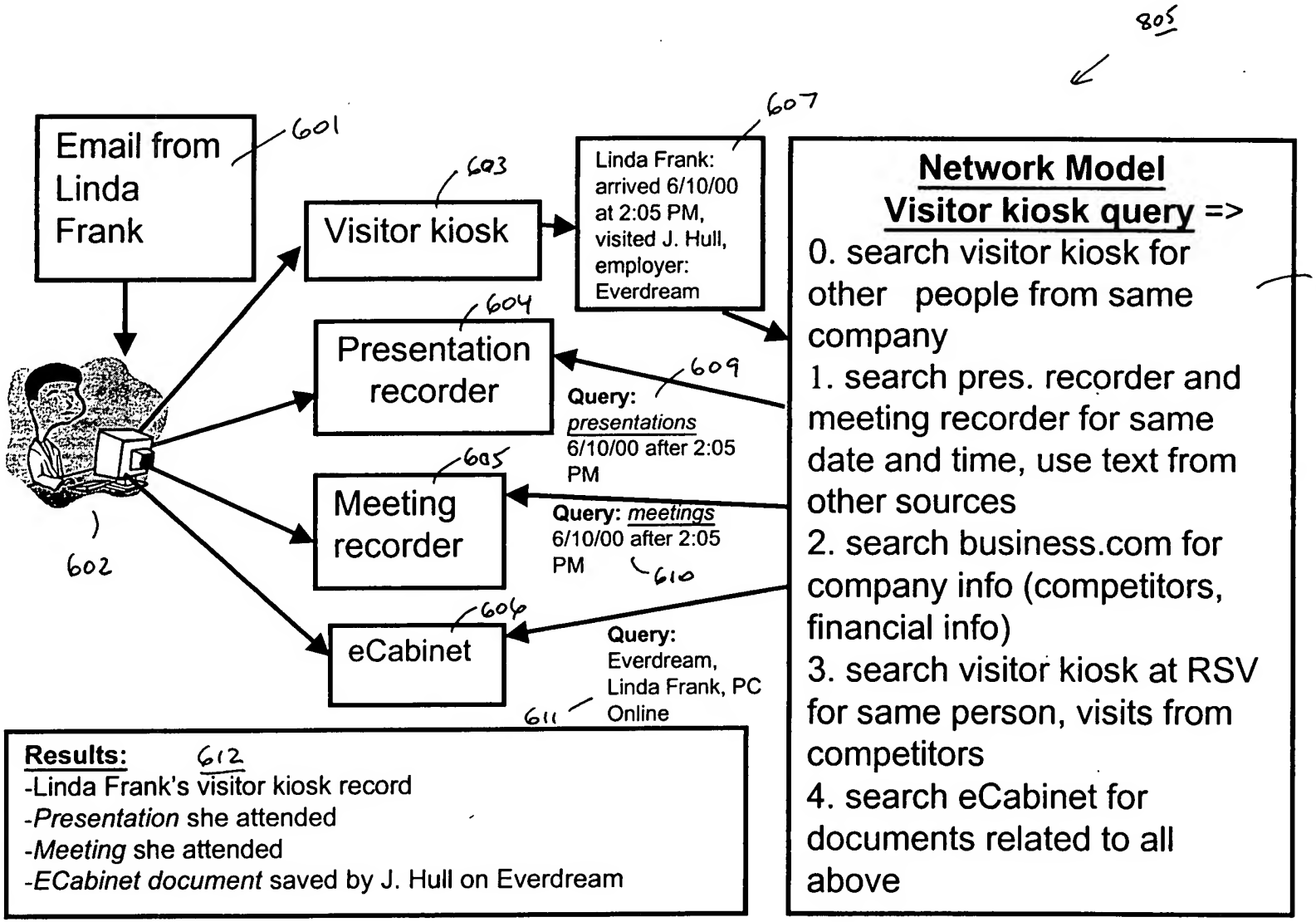
805
Email from Linda Frank
601
Visitor kiosk
603
Linda Frank: arrived 6/10/00 at 2:05 PM, visited J. Hull, employer: Everdream
607
Presentation recorder
604
Meeting recorder
605
eCabinet
606
602
Query: presentations 6/10/00 after 2:05 PM
609
Query: meetings 6/10/00 after 2:05 PM
610
Query: Everdream, Linda Frank, PC Online
611
Network Model
Visitor kiosk query =>
0. search visitor kiosk for other people from same company
1. search pres. recorder and meeting recorder for same date and time, use text from other sources
2. search business.com for company info (competitors, financial info)
3. search visitor kiosk at RSV for same person, visits from competitors
4. search eCabinet for documents related to all above
608
Results:
612
-Linda Frank's visitor kiosk record
-Presentation she attended
-Meeting she attended
-ECabinet document saved by J. Hull on Everdream

FIG. 6

Title: Asynchronous Unconscious Retrieval
in a Network of Information Appliances
Inventors: Derek E. Poppink and
Jonathan J. Hull
Atty. Docket No.: 20412-06420

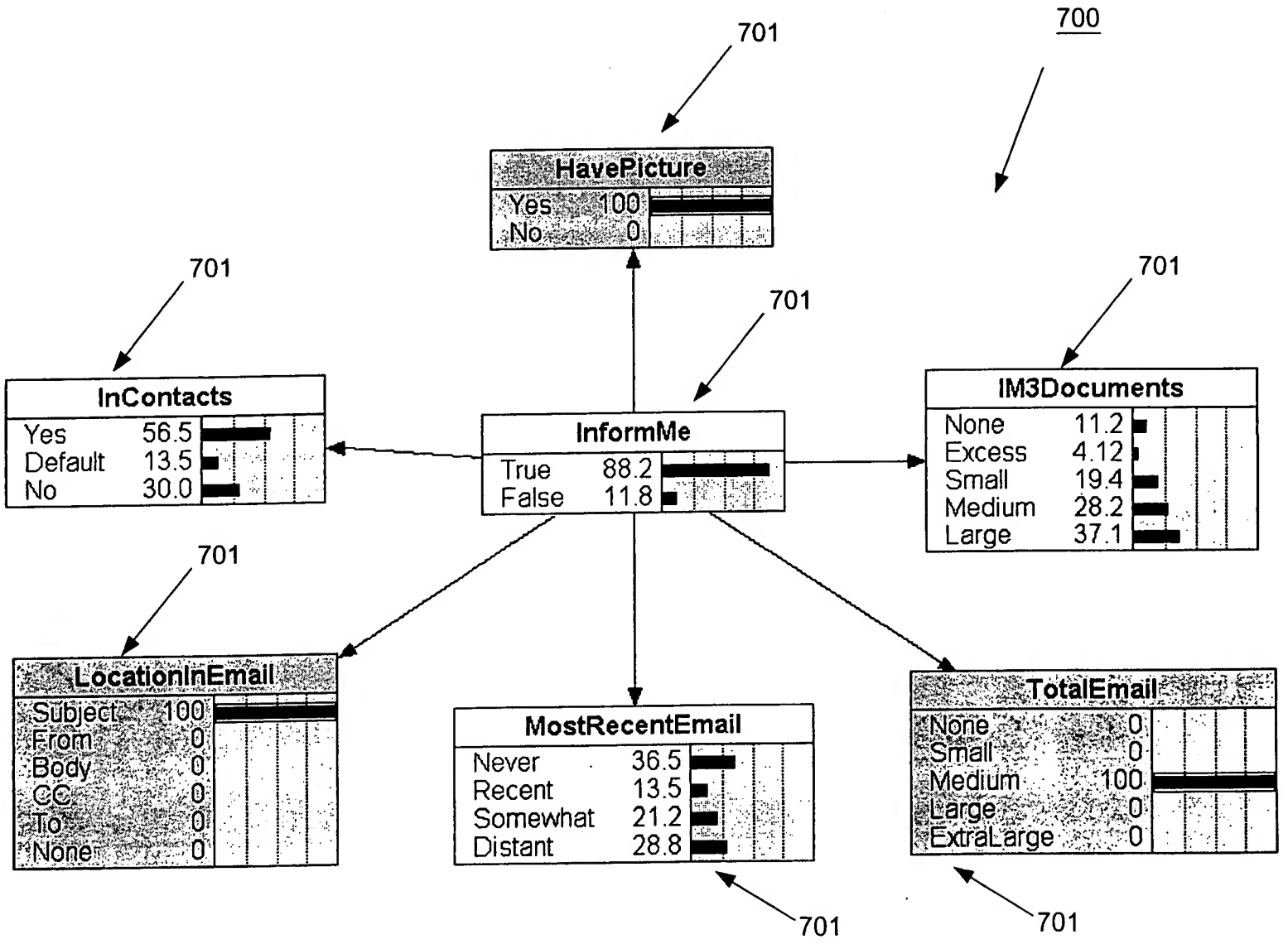

FIG. 7

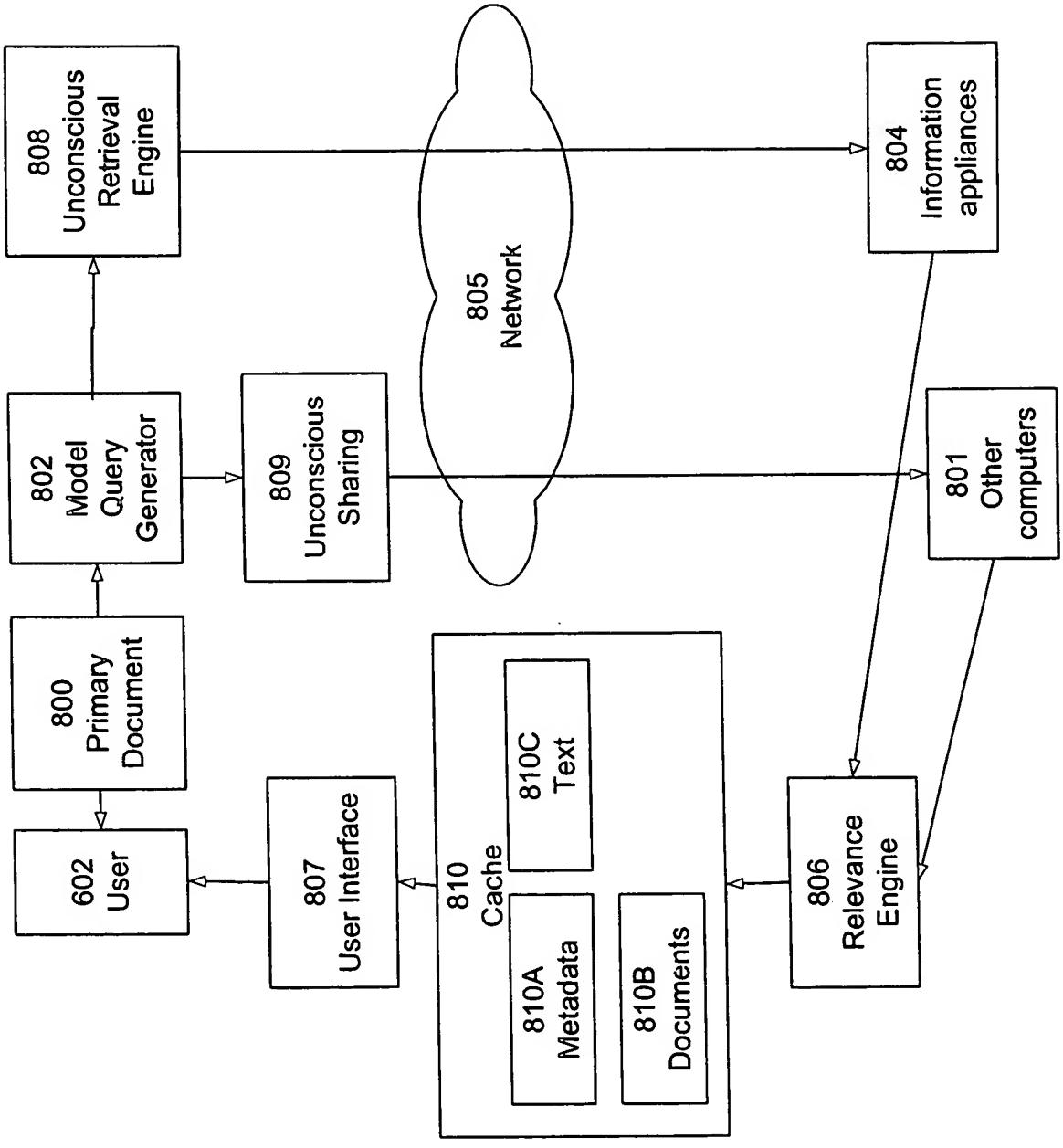
808 Unconscious Retrieval Engine
804 Information appliances
805 Network
802 Model Query Generator
809 Unconscious Sharing
801 Other computers
800 Primary Document
602 User
807 User Interface
810 Cache
810C Text
810A Metadata
810B Documents
806 Relevance Engine

FIG. 8

FOREOF "Screenshot"

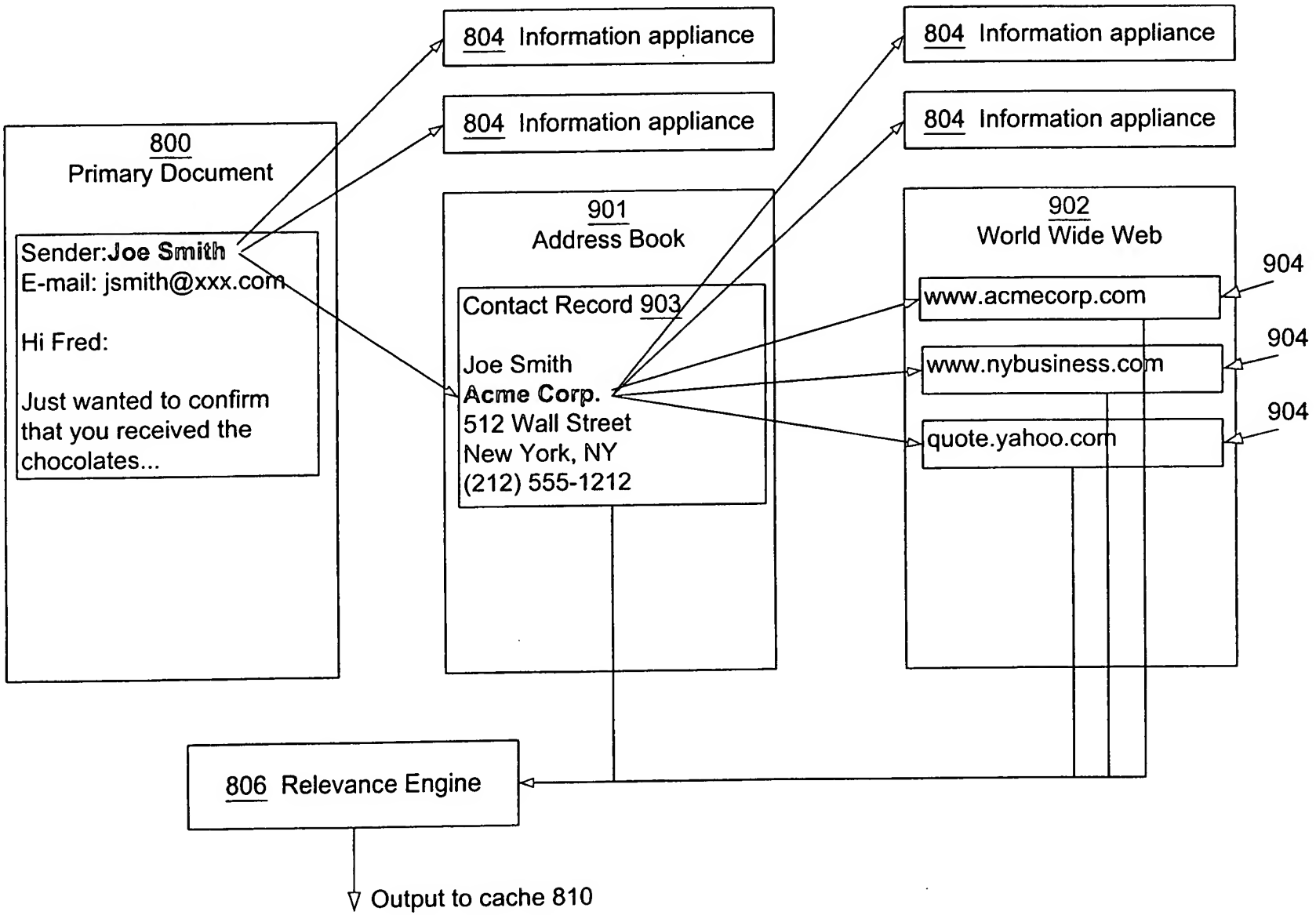

FIG. 9

Title: Asynchronous Unconscious Retrieval in a Network of Information Appliances
Inventors: Derek E. Poppink and Jonathan J. Hull
Atty. Docket No.: 20412-06420

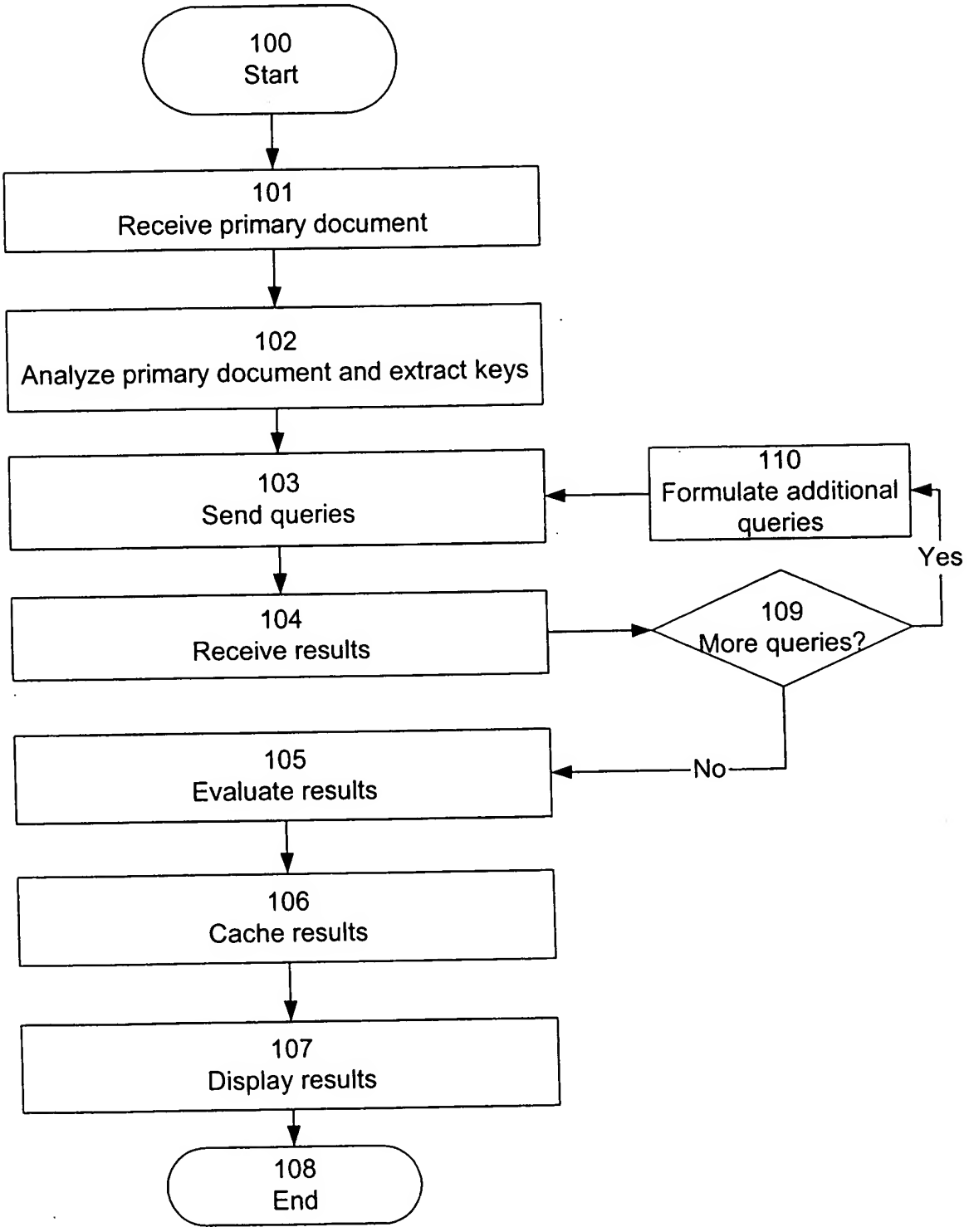
100
Start
101
Receive primary document
102
Analyze primary document and extract keys
103
Send queries
110
Formulate additional queries
Yes
104
Receive results
109
More queries?
No
105
Evaluate results
106
Cache results
107
Display results
108
End

FIG. 10

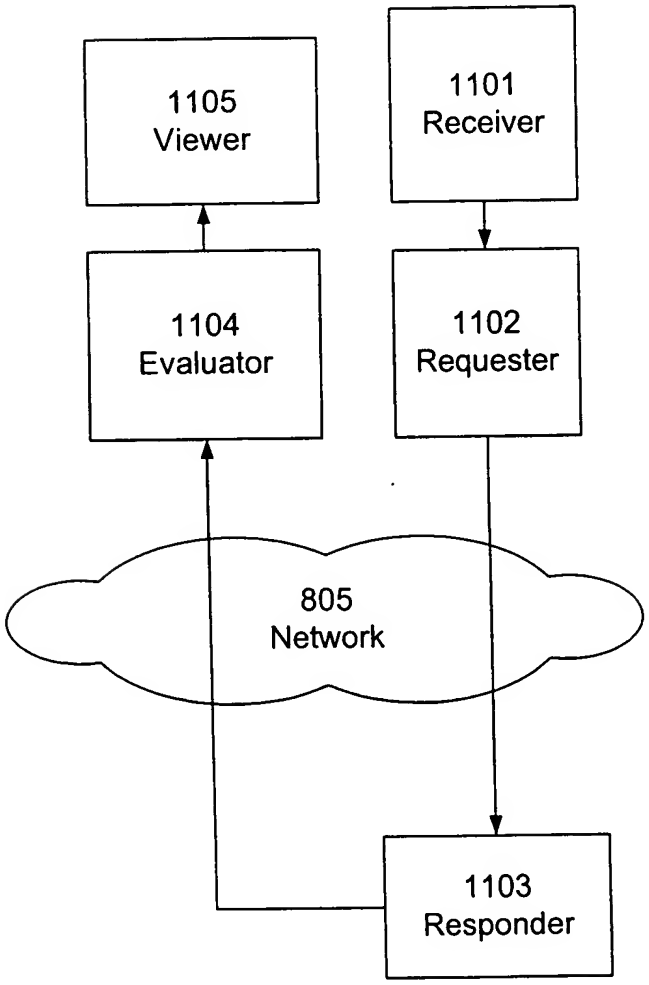
1105
Viewer
1101
Receiver
1104
Evaluator
1102
Requester
805
Network
1103
Responder

FIG. 11

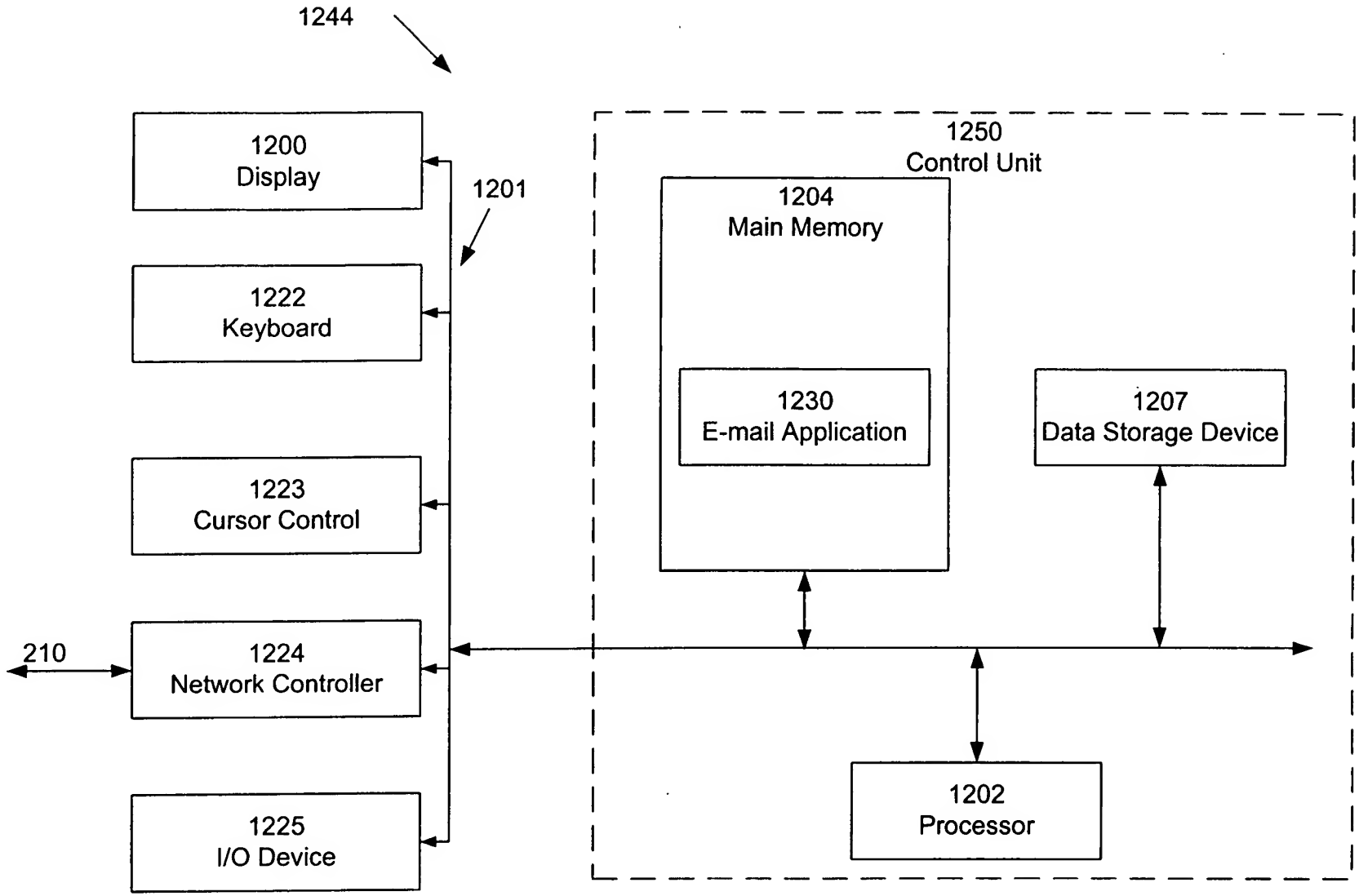
1244
1200
Display
1201
1222
Keyboard
1223
Cursor Control
210
1224
Network Controller
1225
I/O Device
1250
Control Unit
1204
Main Memory
1230
E-mail Application
1207
Data Storage Device
1202
Processor

FIG. 12

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Inventors: Derek E. Poppink and Jonathan J. Hull
Atty. Docket No.: 20412-06420

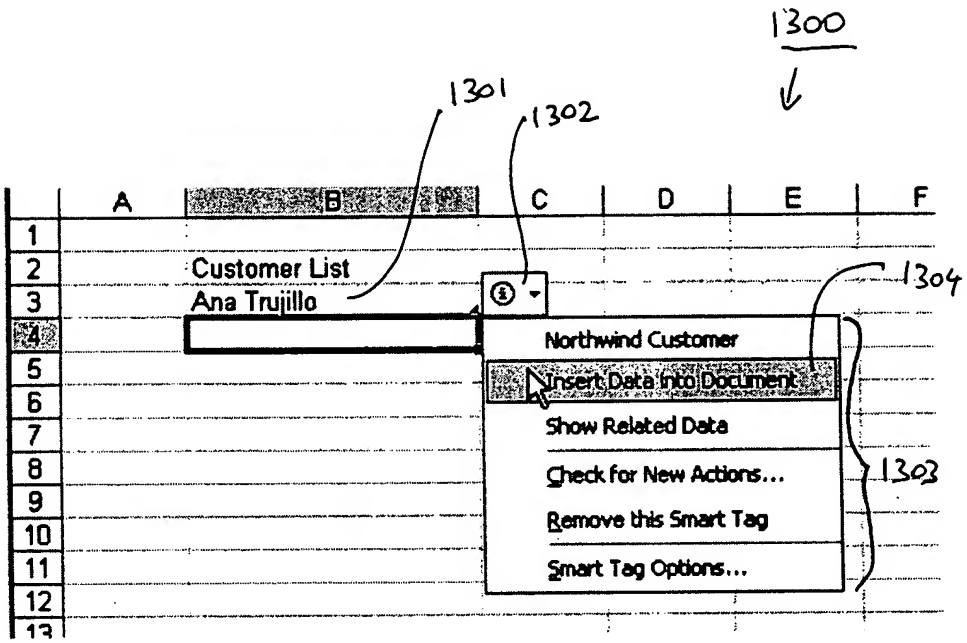

FIG. 13A

Title: Asynchronous Uncon[illegible] Retrieval
[illegible] a Network of Inform[illegible]
Inventors: Derek E. P[illegible]
Jonathan J. Hull
Atty. Docket No.: 20412-064[illegible]

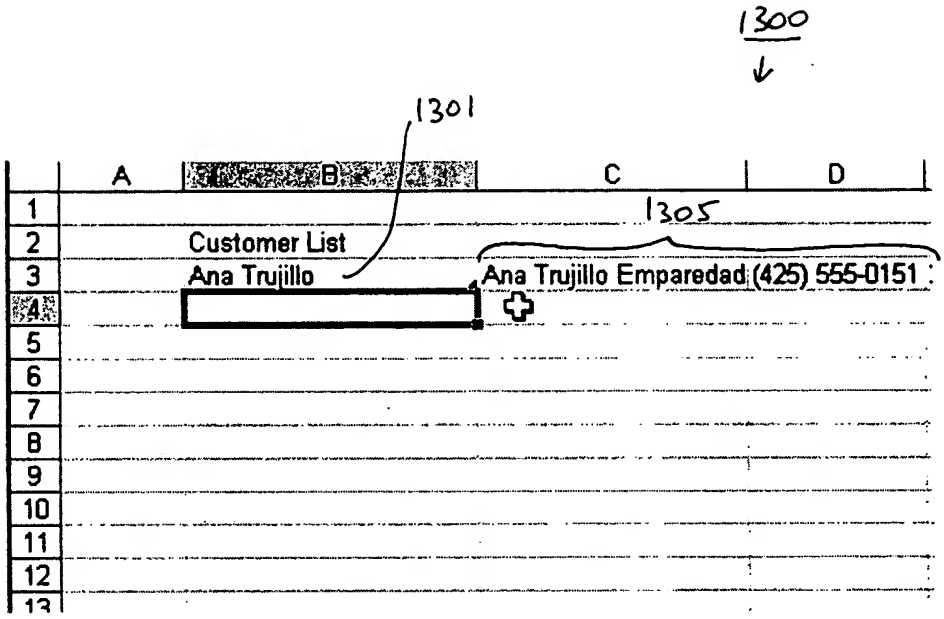

FIG. 13B

Docket Alarm

Microsoft Snipping Tool

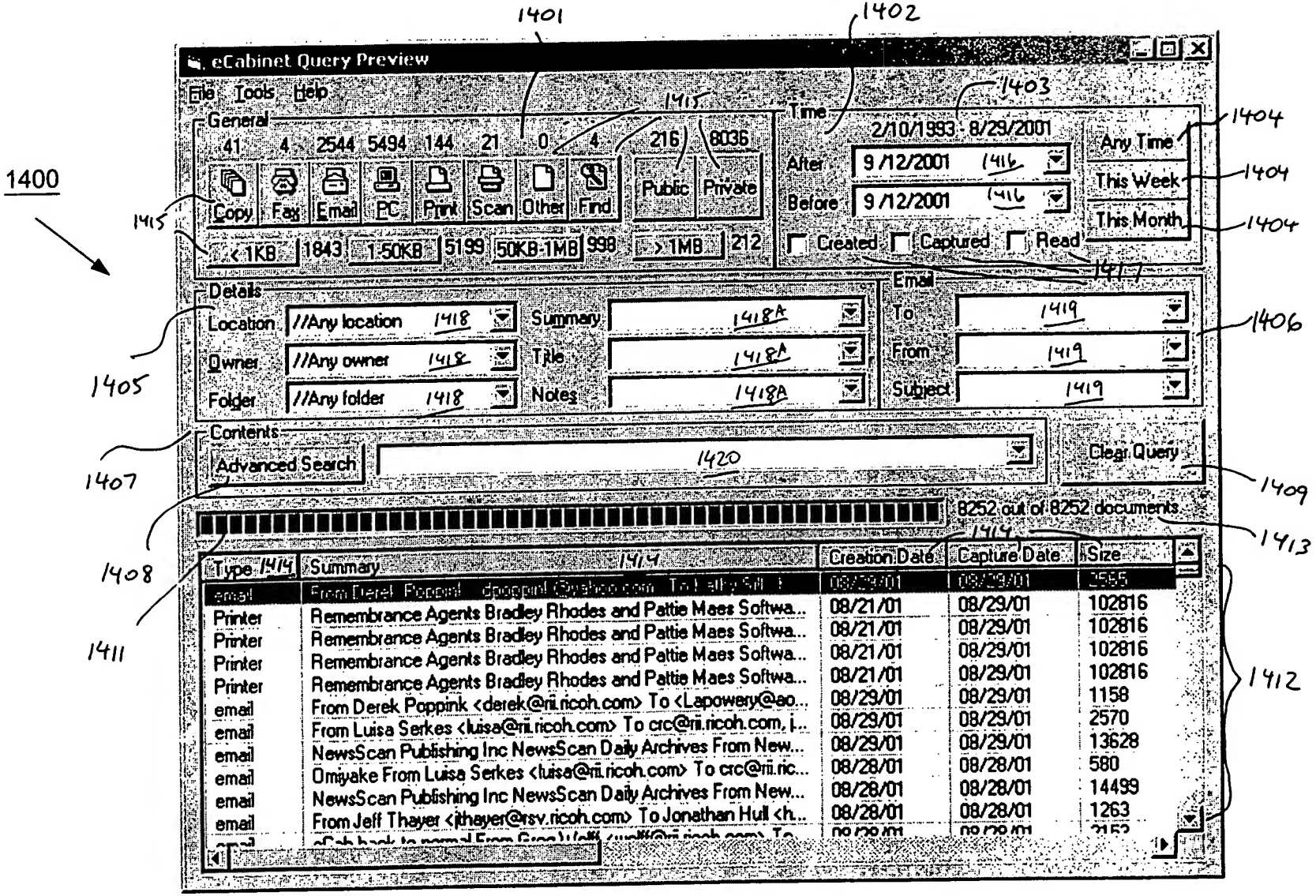

FIG. 14

Title: Asynchronous Unconscious Retrieval
a Network of Informatic[illegible] Appliances
Inventors: Derek E. Poppink and
Jonathan J. Hull
Atty. Docket No.: 20412-06420

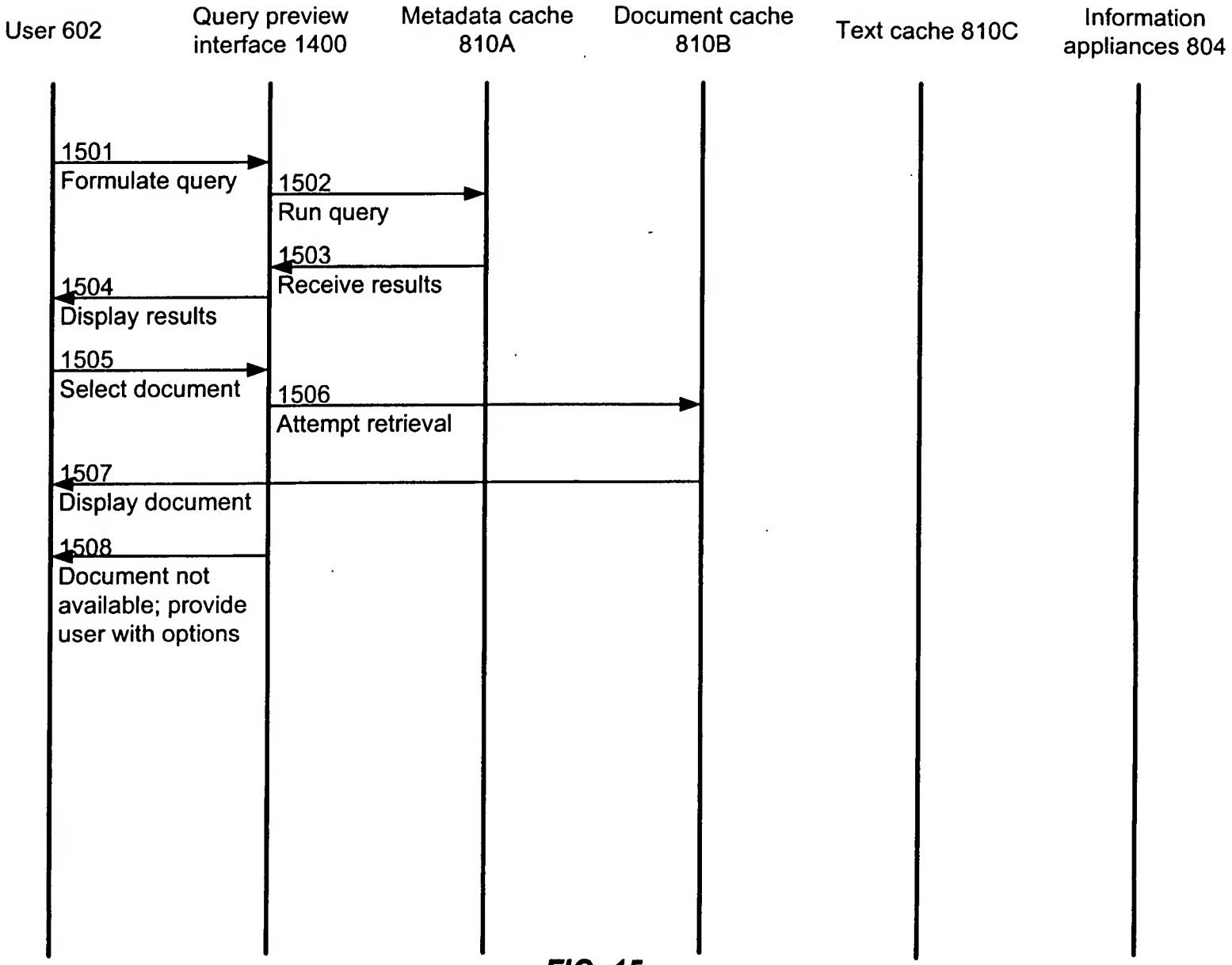

FIG. 15

Title: Asynchronous [illegible] retrieval in a Network of Info[illegible]
Inventors: Derek E. Fo[illegible]
Jonathan J. Hull
Atty. Docket No.: 20412-06420

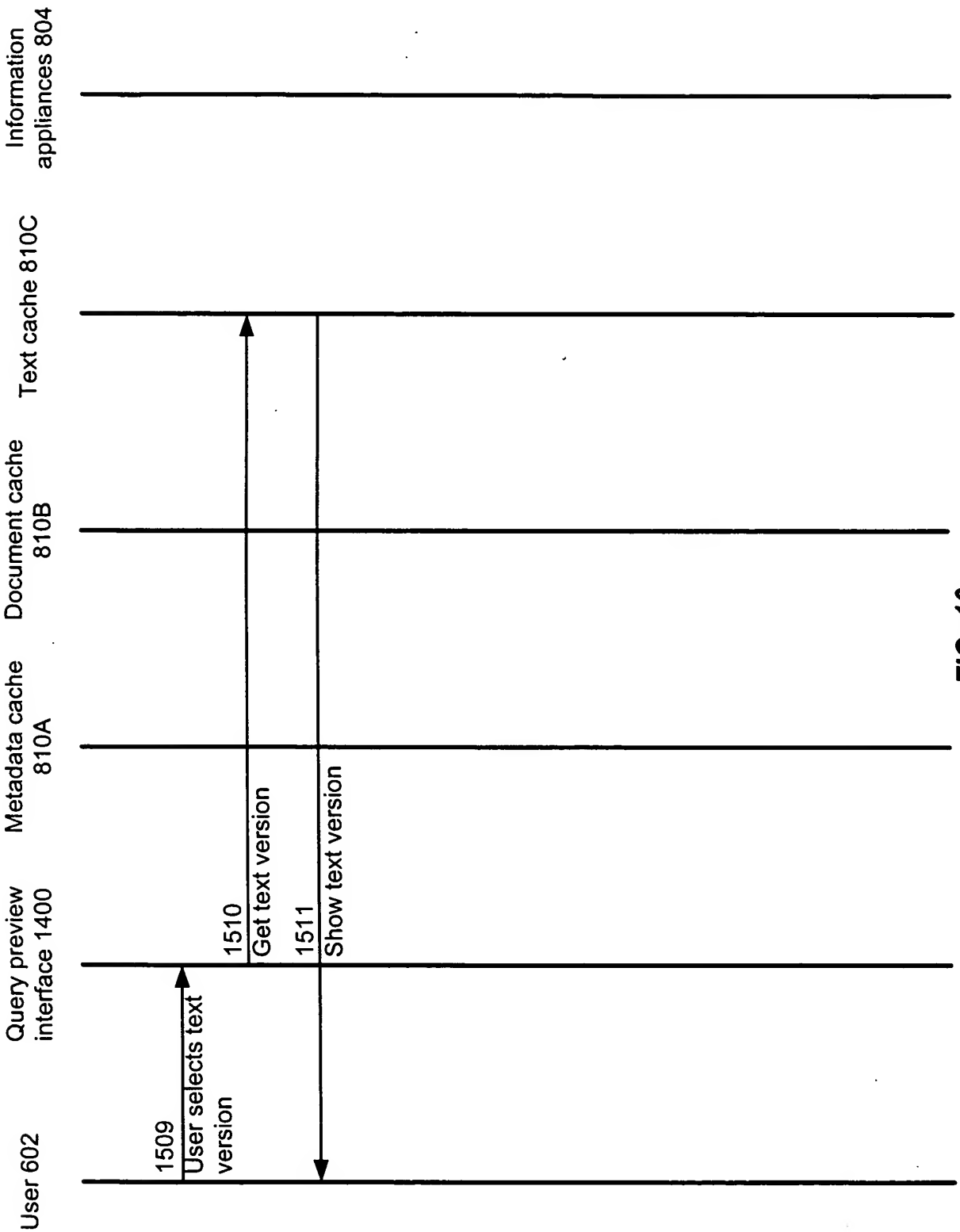
User 602
Query preview interface 1400
Metadata cache 810A
Document cache 810B
Text cache 810C
Information appliances 804
1509
User selects text version
1510
Get text version
1511
Show text version

FIG. 16

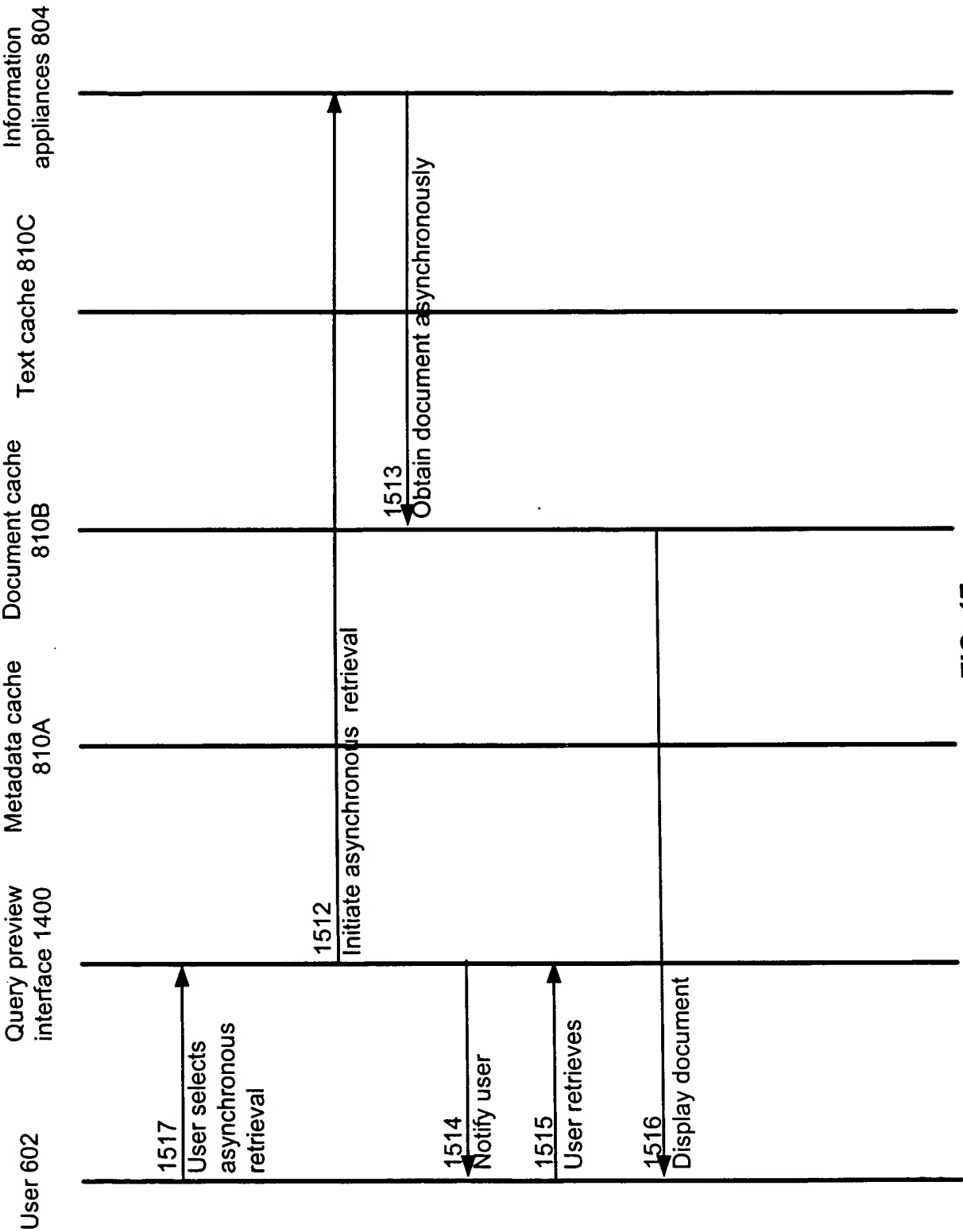
User 602
Query preview interface 1400
Metadata cache 810A
Document cache 810B
Text cache 810C
Information appliances 804
1517
User selects asynchronous retrieval
1512
Initiate asynchronous retrieval
1513
Obtain document asynchronously
1514
Notify user
1515
User retrieves
1516
Display document

FIG. 17

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